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MicroPatent's Patent Index Database: Record 1 of 1 [Individual Record of JP4144677A]

[Order This Patent](#)[Family Member\(s\)](#)JP4144677A ☐ 19920519 FullText**Title:** (ENG) METHOD FOR EXTRACTING YEAST INTRACELLULAR SUBSTANCE**Abstract:** (ENG)

**PURPOSE:** To enable extraction of an intracellular substance from yeast cells at a low cost without any troublesome operation by applying an osmotic pressure to shock yeast fungi under weak alkaline conditions without mechanically crushing the yeast fungi.

**CONSTITUTION:** Prescribed common salt is added to a culture medium such as YPD culture medium (containing 1% yeast extract, 2% peptone and 2% glucose) for yeasts to culture a halotolerant yeast such as *Zygosaccharomyces rouxii* and further a yeast such as *Saccharomyces cerevisiae* with low halotolerance and the yeast fungi are then collected and subsequently washed with a saline solution at a concentration about equal to that of the common salt in the culture medium. The washed fungal cells are then suspended in a buffer solution such as alkaline sodium hydrogencarbonate, sodium carbonate buffer solution at pH about 9-10 without containing the common salt and incubated to carry out osmotic pressure shock. Thereby, simple operation can be performed without contamination by cell walls, cell cross sections, etc., and the fungal cells in a large amount can be treated at a low cost due to no use of a special chemical.

**Application Number:** JP 27003290 A**Application (Filing) Date:** 19901008**Priority Data:** JP 27003290 19901008 A X;**Inventor(s):** HOSONO KUNIAKI**Assignee/Applicant/Grantee:** AGENCY IND SCIENCE TECHN**Original IPC (1-7):** C12N00116; C12P02100; C12N00900; C12N01509; C12N00116; C12R001865; C12N00116; C12R001645**Other Abstracts for Family Members:** DERABS C92-221877**Other Abstracts for This Document:** DERC92-221877**Legal Status:** There is no Legal Status information available for this patent

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